

104 學年度生命科學系碩士班入學考試生物學試題

1 Eukaryotic gene expression is regulated in many steps. Please briefly describe (1) in what steps the genes are regulated and (2) how these steps control the gene expression.

2. Please briefly describe significance of the cell cycle control.

3. All cellular life forms on Earth can be divided into prokaryotes and eukaryotes. Please compare the prokaryotic and eukaryotic cells, and indicate their differences in physiological and biochemical features.